Owner's Handbook

Mambo Micro

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1. Preface and Introduction

Please carefully read this owner's manual before using the vehicle. Improper use of the vehicle could result in harm, injury or traffic accidents. Therefore, to get the most from your vehicle please read this owner's manual.

The manual includes operation instructions for every aspect of the vehicle, assembly instructions and advice on dealing with possible incidents.

The symbols used in the manual are explained below

☠	**Warning**	Improper use could lead to death or serious injury
☞	**Attention**	Improper use could lead to injury and/or damage to your powerchair
🕮	**Suggestion**	Follow these instructions to keep your vehicle in good working order

This manual includes a repair and service record chart, and warranty details. Please keep it in a safe place or with the powerchair. If somebody else uses the powerchair make sure that you provide him or her with this owner's manual for his or her consideration.

As designs change some illustrations and pictures in the manual may not correspond to the vehicle that you purchased. We reserve the right to make design modifications.

The Mambo Micro powerchair is part of the Mercury range, and has been designed and manufactured to provide a comfortable and secure yet affordable solution for some mobility problems. The Mambo Micro is a lightweight and highly manoeuvrable powerchair which is tailored for indoor and short-range use yet suitable for some outdoor applications.

Mercury is a brand of Medicare Technology. Medicare Technology is an ISO 9000 and ISO 13845 certified manufacturer of medical devices and mobility aids. Other products in the Medicare Technology range include manual powerchairs, powerchairs, electrically adjustable beds, walking aids, bathlifts and bathing equipment, rise recline armchairs and many more mobility and daily living aids. All Medicare Technology medical devices are CE marked.

2. Safety Notice

2.1 Before Driving

The user needs to be familiar with the use and operation of the vehicle before driving. Please bear the following safety notices in mind at all times:

- Ride on the pavement and pedestrian areas only. The powerchair should only be used on roads where no pavement exists or to cross the road.
- The powerchair should not be driven on dual carriageways or motorways.
- Be careful when driving your powerchair in low light. It has not been designed for use at night.
- The top speed of the powerchair is 3.5mph / 5.6kph

Practice operating your powerchair

- Before using the powerchair, familiarize yourself with the operation of your powerchair. In order to avoid accidents with your powerchair during use, bear in mind driving motions such as accelerating, braking, turning, reversing and gradients.
- Set the maximum speed gauge to a low setting.
- For safety, ensure somebody accompanies you when driving on the pavement for the first time.
- Only use the higher speed settings when you are confident that you can easily operate and control the powerchair.

The Mambo Micro powerchair can only be used by one person at a time

- Do not carry passengers on your powerchair (including children)

Maximum user mass (weight capacity)

- The maximum weight that can be carried is 115kg / 18 stone.
- Do not use the powerchair to carry or haul goods.

2.2 Whilst Driving

Carry out daily inspections. Refer to the section on Daily Checking.

Do not move your body out of the powerchair while moving

- Such action may cause you to lose your balance and risk injury and/or damage from falling.
- Pay attention that your clothing and other garments do not get tangled or caught in the wheels.

Do not use your powerchair in the following environments:

- On surfaces that are muddy, gravely, bumpy, too narrow, snowed over or icy.
- Places where you may get the wheels stuck.
- On canal towpaths which are not guarded by any fence or hedge.
- Do not drive at night or if it is raining heavily, snowing, or windy.
- Do not drive your powerchair in an 'S' pattern or make erratic turnings.
- Do not take the powerchair onto escalators
- Under no circumstances should the powerchair be used as a seat in a motor vehicle (e.g. car, buses, trains, etc)

About mobile phones and other electrical equipment

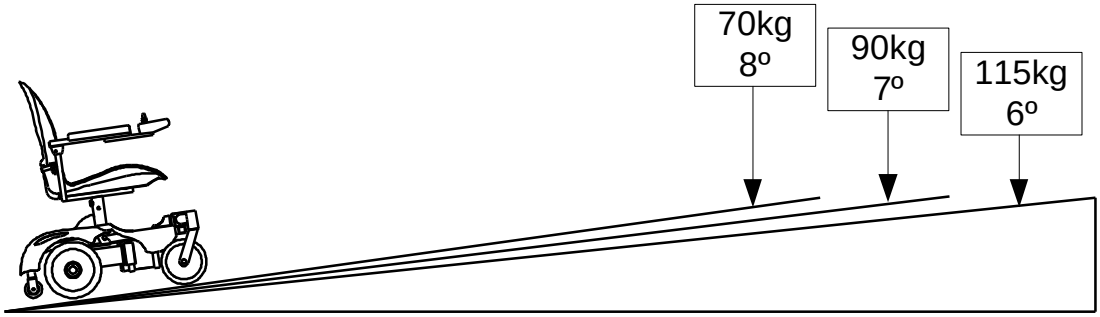
- Do not use a mobile phone or other wireless communication equipment whilst driving or whilst the powerchair is switched on.
- Always switch off the powerchair before using a mobile phone.
- Do not charge the mobile phone or any other electrical devices from the powerchair battery.

Automatic power shutdown

- In order to avoid accidental battery run down, your powerchair is equipped with an automatic power shut down. If the powerchair is switched and left idle for 30 minutes, it will shut down to preserve battery power. If this occurs, simply switch your powerchair off and back on and it will be ready to use once again.

Ramps, inclines and drops

- Do not drive on surfaces with large drops or potholes. Such drops may cause damage and/or injury.
- The powerchair is capable of climbing a 50mm (2") obstacle. However, this is not recommended as it may cause damage and/or injury.
- Always use a low speed setting when ascending or descending a gradient.
- Do not drive on gradients steeper than those stated on the diagram overleaf (the weights refer to the weight of the user):



Warning

Do not set in freewheel mode when driving on a gradient.

Always re-engage the freewheel lever to 'DRIVE' before use. Failure to do so may result in injury.

2.3 Labelling

Please carefully read all labels on the powerchair before driving it. For your future reference, do not remove them. The labels are shown below:

4

CARELESSNESS CAUSES FIRE

Medicare Technology Ltd. HX5 9JP

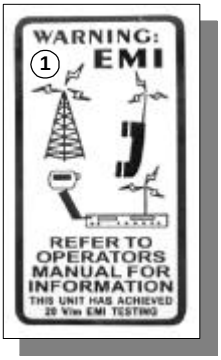
AI1402

1 June 2000

This article contains Foam which passes the specified test. All upholstery is cigarette and match resistant.

Compliant with BS ISO 7176/16

This article does not contain a Schedule 3 interliner



2 **CAUTION**

PUSH DOWN

Please press the strap down to the end when place the battery pack back for use.

NEVER LIFT WHEELCHAIR UP BY 6 THE REAR OR FRONT OF SHROUD

THIS POWERCHAIR IS NOT SUITABLE FOR USE AS A SEAT IN A MOTOR VEHICLE 3

NON-SPILLABLE BATTERY Complies with IATA special provision A67 7

CE | USER MASS 115kg **MEDICARE TECHNOLOGY LTD** HX5 9JP | Serial No: 5

WARNING 8

Emergency Freewheel Device. Always re-engage the emergency freewheel device after use. Failure to do so may result in injury

DRIVE

NEUTRAL

This section of the manual will provide the user with basic information that describes the problems with EMI, known sources of EMI, protective measures either to lessen the possibility or exposure or to minimize the degree of exposure, and suggested action should unexpected or erratic movement occur.

Attention: It is very important that you read this information regarding the possible effects of electromagnetic interference on your **Mambo Micro Powerchair**.

2.4.1 Electromagnetic Interference (EMI) for Radio Wave Sources

Powerchairs may be susceptible to electromagnetic interference (EMI), which is interfering electromagnetic energy (EM) emitted from sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios, and mobile phones. The interference (from radio wave sources) can cause the powerchair to release its brakes, move by itself, or move in unintended directions. It can also permanently damage the powerchair's control system. The intensity of the interfering EM energy can be measured in volts per metre (V/m). Each powerchair can resist EMI up to a certain intensity. This is called its "immunity level". The higher the immunity level, the greater the protection. At this time, current technology is capable of achieving at least a 20 V/m immunity level, which would provide useful protection from the more common sources of radiated EMI. This powerchair model as shipped, with no further modification, has an immunity level of 20 V/m without any accessories.

There are a number of sources of relatively intense electromagnetic fields in the everyday environment. Some of these sources are obvious and easy to avoid. Others are not apparent and exposure is unavoidable. However, we believe that by following the warning listed below, your risk to EMI will be minimized.

The sources of radiated EMI can be broadly classified into three types:

1. Hand-held portable transceivers (transmitter-receivers with the antenna mounted directly on the transmitting unit). Examples include: citizens band (CB) radios, "walkie talkies", security, fire, and police transceivers, mobile telephones and other personal communication devices.

Attention:
Some mobile telephones and similar devices transmit signals while they are ON, even when not being used.

2. Medium-range mobile transceivers, such as those used in police cars, fire trucks, ambulances and taxis. These usually have the antenna mounted on the outside of the vehicle.
3. Long-range transmitters and transceivers, such as commercial broadcast transmitters (radio and TV broadcast antenna towers) and amateur (HAM) radios.

☞	**Attention:** Other types of hand-held devices, such as cordless phones, laptop computers, AM/FM radios, TV sets, CD players, and cassette players, and small appliances, such as electric shavers and hair dryers, so far as we know, are not likely to cause EMI problems to your powerchair.

2.4.2 Powerchair Electromagnetic Interference

Because EM energy rapidly becomes more intense as one moves closer to the transmitting antenna (source), the EM fields from hand-held radio wave sources (transceivers) are of special concern. It is possible to unintentionally bring high levels of EM energy very close to the control system of the powerchair while using these devices. This can affect powerchair movement and braking. Therefore, the warnings listed below are recommended to prevent possible interference with the control system of the powerchair.

2.4.3 Warnings

Electromagnetic interference (EMI) from sources such as radio and TV stations, amateur radio (HAM) transmitters, two-way radios, and mobile phones can affect powerchairs. Following the warnings listed below should reduce the chance of unintended brake release or powerchair movement which could result in serious injury.

1. Do not operate hand-held transceivers-receivers, such as citizens band (CB) radios, or turn ON personal communication devices, such as mobile phones, while the powerchair is turned ON;
2. Be aware of nearby transmitters, such as radio or TV stations, and try to avoid coming close to them;
3. If unintended movement or brake release occurs, turn the powerchair OFF as soon as it is safe;
4. Be aware that adding accessories or components, or modifying the powerchair, may make it more susceptible to EMI (Note: There is no easy way to evaluate their effect on the overall immunity of the powerchair).
5. Report all incidents of unintended movement or brake release to the powerchair manufacturer, and note whether there is a source of EMI nearby.

2.4.4 Important Information

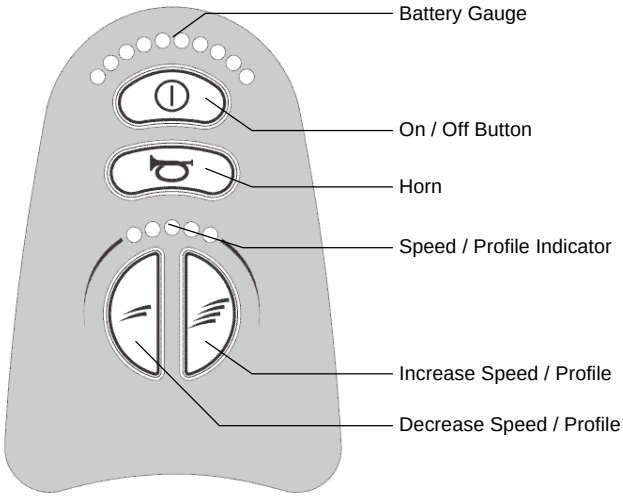
1. 20 Volts per Metre (V/m) is a generally achievable and useful immunity level against EMI (the higher the level, the greater the protection);
2. This product has an immunity level of 20 V/m without any accessories connected to it.

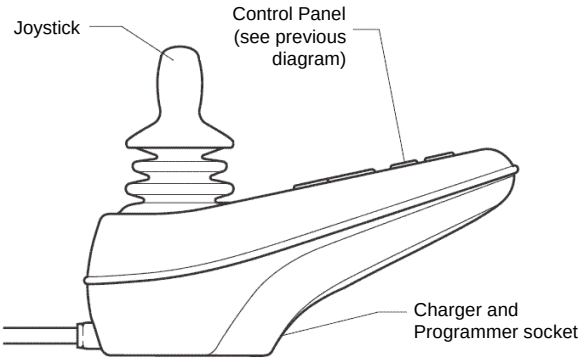
3. Parts Description

Parts Description

1. VR2 controller (remote)
2. Armrest pad
3. Seat back
4. Seat base
5. Drive (rear) wheel
6. Freewheel device
7. Castor wheel
8. Foot plate
9. Battery pack
10. Reset button (circuit breaker)
11. Swivel seat lever

4. Operation





Joystick Control Panel (shown above)

1. Joystick. The primary function of the joystick is to control the speed and direction of the powerchair. The further you push the joystick from the centre position the faster the powerchair will move. When you release the joystick the electromagnetic brakes are automatically applied.

2. On / Off button. The on/off button applies power to the control system electronics, which in turn supply power to the powerchair's motors. Do not use the on/off button to stop the powerchair unless there is an emergency. (If you do, you may shorten the life of the powerchair drive components). The battery gauge shows you

that the powerchair is switched on. It also indicates the operating status of the powerchair.

3. Increase Speed / Profile. Press this button to increase the maximum speed of the powerchair.

4. Decrease Speed / Profile. Press this button to decrease the maximum speed of the powerchair.

5. Speed / Profile Indicator. This shows the maximum speed of the powerchair. The more LEDs are lit, the faster the maximum speed. The powerchair can be configured to use drive profiles. However, this is not included by default. For more information about drive profiles, contact your dealer. If the speed indicator ripples, this means the powerchair is locked. By default the locking function is disabled.

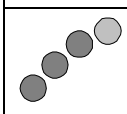
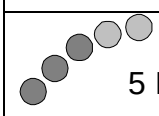
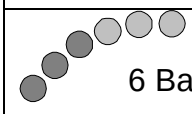
<u>To unlock / lock the powerchair:</u>

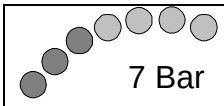
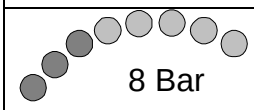
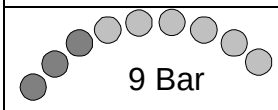
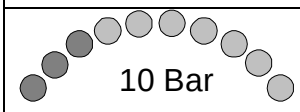
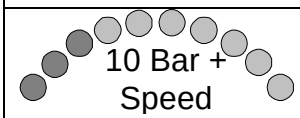
- Switch the powerchair on
- Hold down the on/off button for 1 second (lock only)
- Deflect the joystick forwards until the control system bleeps
- Deflect the joystick backwards until the control system bleeps
- Release the joystick. There will be a long bleep and the powerchair will be unlocked / locked.

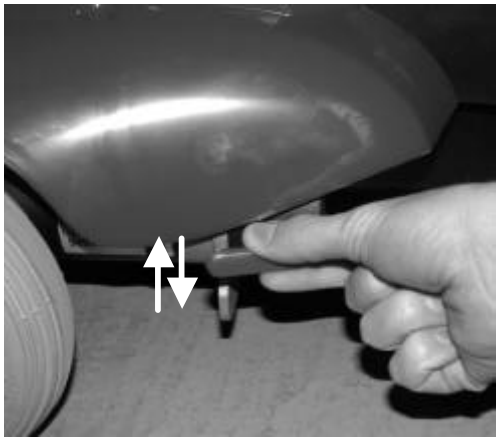
6. Horn. Press this button to sound the horn. The horn will stop when you release the button.

7. Battery Gauge. This shows the battery power level of the powerchair.

- The more LEDs that are lit, the more power is left in the battery. The LEDs will be lit constantly when the powerchair is operating normally.
- If the LEDs on the battery gauge are stepping up (i.e. the number of LEDs lit quickly increases then resets to 1), the battery charger is connected and the powerchair drive inhibited.
- If the battery gauge is flashing slowly then the powerchair is operating normally, but the batteries need recharging as soon as possible.
- If the battery gauge LEDs are flashing rapidly this indicates a fault with the powerchair. If you have a problem with your powerchair consult the table overleaf. If the problem persists after you have followed the advice below then restarted the powerchair, contact your dealer.

Display	**Notes**
1 Bar	The battery needs charging or there is a bad connection to the battery. Check the connections to the battery. If the connections are good, try charging the battery.
2 Bar	The left hand motor has a bad connection. Check the connections to the left hand motor.
3 Bar	The left hand motor has a short circuit to a battery connection. Contact your service agent.
 4 Bar	The right hand motor has a bad connection. Check the connections to the right hand module.
 5 Bar	The right hand motor has a short circuit to a battery connection. Contact your service agent.
 6 Bar	The powerchair is being prevented from driving by an external signal. The exact cause will depend on the type of powerchair you have, one possibility is the battery charger is connected.

	A joystick fault is indicated. Make sure that the joystick is in the centre position before switching on the control system.
	A control system fault is indicated. Make sure that all connections are secure.
	The parking brakes have a bad connection. Check the parking brake and motor connections. Make sure the control system connections are secure.
	An excessive voltage has been applied to the control system. This is usually caused by a poor battery connection. Check the battery connections.
	This is where the Speed Indicator and 10 bars are lit. A communication fault is indicated. Make sure that joystick cable is securely connected and not damaged.



Freewheel Device

- Push the lever down to put the device in to ‘freewheel’. Repeat this for the other motor, and the powerchair can be pushed.

- Pull the lever up to put the device in to ‘drive’. Repeat for the other motor and the powerchair can be driven by the joystick.

Warning

Do not set in freewheel mode when driving on a gradient.

Always re-engage the freewheel lever to ‘DRIVE’ before use.

Failure to do so may result in injury.

- **Armrest Width.**

  To adjust the width of the armrest, slacken the tristar knobs at the rear of the seat base. Slide the armrests in and/or out to the desired width. Retighten the tristar knobs to secure.

- **Rotating (swivelling) and removing the seat**

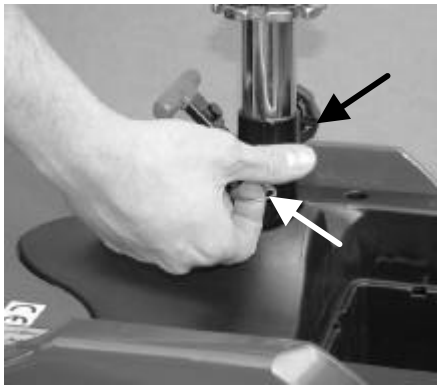
  The seat will rotate 360º in 45º intervals. To swivel the seat, push the swivel seat lever whilst rotating the seat. Release the lever and carry on rotating the seat until it locks in position.

  To remove the seat, firstly unplug the joystick controller. Then push the swivel lever whilst rotating and pulling up on the seat.

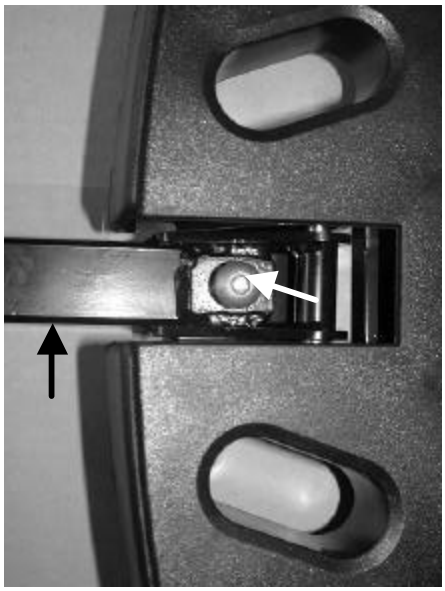
Attention:

If you are rotating the seat more than 90º, ensure that you unplug the joystick controller.

Failure to do so could result in the joystick cable becoming entangled or damaged.



- **To alter the seat height:**
  1. Remove the seat (as described previously)
  2. Slacken the securement handle (shown by black arrow) and remove the lock pin (white arrow).
  3. Reposition the seat post to the correct height. Reinsert the lock pin and retighten the securement handle.
  4. Replace the seat.



- **Footplate Angle Adjustment**

  To raise the angle of the footplate, turn the screw (shown by white arrow) clockwise using an M6 hex wrench. To lower the angle of the footplate, turn the screw anticlockwise.

- **Footplate Height Adjustment**

  Remove the nut and bolt securing the footplate bracket (shown by black arrow) to the powerchair. Reposition the bracket to the desired height and insert the bolt through the predrilled hole. Secure using the nut.

- **Reset Button (Circuit Breaker)**

  The Mambo Micro powerchair has a circuit breaker in the position shown in the Parts Description section:

  In the unlikely event of a short circuit or the powerchair being overloaded, the circuit breaker will activate automatically and the powerchair will be shut down. If this occurs, wait a few minutes for circuit breaker to recover. Then press the circuit breaker to reset and the powerchair should operate normally.

- **Using the Lap Belt**

  The lap belt should be adjusted to suit each user. The length of the belt can be adjusted by the tri-glides on the belt. The lap belt fastens automatically when the clip is inserted in to the receiver. To unfasten the lap belt, press the button in the centre of the receiver.

  When fastened, the lap belt should be tight around the user's pelvis without causing discomfort or undue pressure. This will help keep the user's hips and pelvis towards the back of the powerchair. Use the tri-glides to adjust the length of the lap belt. The length of the lap belt should be checked each time it is used.

Warning: Risk of Suffocation.

Caution: Users may be prone to ‘submarining’ where they slip down the powerchair until the lap belt is around the neck area. To reduce the possibility of this do not leave users unsupervised, ensure that there is not excessive slack in the belt, and ensure the lap belt is used as instructed.

Do not use the lap belt as a seat belt in a motor vehicle. Do not use the powerchair as a seat in motor vehicle.

The lap belt may not be suitable for all powerchair users. Always see professional medical advice before using the lap belt as an aid to posture

5. Battery Charging and Care

5.1 Charging the Battery

There are two methods which can be used to charge the battery pack on the Mambo Micro:

Method 1: On-board charging

Follow the procedure below step by step:

1. Switch the powerchair off
2. Plug charger's power cord in to the mains.
3. Connect the charger's round plug in to the charging socket located on the underside of the joystick.
4. Switch on the plug socket.
5. The charger's LED will illuminate orange to indicate the batteries are charging. The charger duration is about 8 hours. To ensure optimum performance a 12 hours charge is recommended.
6. The orange LED will turn green when charging is complete.
7. Turn off the charger, disconnect the power cord and the round plug from the charging socket on the joystick.

Method 2: Off-board charging

Follow the procedure below step by step.

1. Switch the powerchair off.
2. Lift out the battery pack from the powerchair using the handle on the top of the pack.
3. Plug the charger's power cord in to the mains.
4. Plug the charger's round plug in to the charging socket on the battery pack.
5. Switch on the plug socket.
6. The charger's LED will illuminate orange to indicate the batteries are charging. The charger duration is about 8 hours. To ensure optimum performance a 12 hours charge is recommended.
7. The orange LED will turn green when charging is complete.
8. Turn off the charger, disconnect the power cord and the round plug from the charging socket on the battery pack.

Suggestion:

1. Do not disconnect the charger cord if charging is not completed. The battery life will be seriously shortened or decayed if the battery is repeatedly used without being fully charged. Therefore be sure to charge the battery fully every time.
2. Always complete the charging until the LED light turns green. NEVER stop charging before it is complete.
3. When fully charged, the battery charger will still trickle charge the battery to ensure optimum range.
4. If you do not use your powerchair for a long time, it should be charged at least every week to keep the battery in a fully usable condition.
5. The ambient temperature will affect charging time. Charging time will be longer in the winter.
6. After charging, do not leave the charger socket plugged in to the powerchair, as this will cause a power drain on the powerchair and temporarily reduce its range.
7. The batteries carry a twelve-month manufacturer's warranty. This warranty only covers issues relating to manufacturing faults, and not faults relating to failure to recharge the batteries as instructed above.

Attention:

1. Please use the Mercury charger only, and recharge the battery to its full capacity every time. You may damage the battery and powerchair if you use a charger which is not to the correct specification.
2. Never disassemble or modify the charger.
3. Please charge in a well-ventilated space which is not directly exposed to sunlight. Do not charge in environments where it is humid or damp.
4. Do not charge in temperatures less than -10°C or higher than +50°C as the charger may not work well and the batteries may become damaged.

Warning:

1. Keep away from flammable objects while charging as it may lead to fire or explosion of battery.
2. Do not smoke while charging as the battery may release hydrogen gas. Always charge your battery in a well-ventilated space.
3. Never connect or disconnect the plug or cord with wet hands whilst charging. Do not connect or disconnect the plug or cord when they are wet, as it may lead to electric shock.

5.2 Charger

The charger supplied with the Mambo Micro has an LED which changes colour depending on its status:

- If the LED is lit ORANGE then the charger is switched on and charging
- If the LED is lit GREEN then the charger is switched on and has finished the bulk of its charging and the batteries can be used. However, we recommend that you leave the charger charging for a couple of hours after the green LED has lit. This will maintain and probably increase the capacity of your batteries.
- The LED will also illuminate GREEN if the charger is switched on but not connected to the batteries.

Warning:

If the charger LED does not illuminate the charger is faulty.

In the event of this happening, please contact your dealer.

5.3 Battery

- Do not expose the battery to temperatures below - 10°C or above 50°C when charging or storing the vehicle. Being out of the above temperature range can cause the battery either to freeze or over heat. This will damage the batteries and shorten their life.
- The batteries are maintenance free and there is no need to inspect the battery liquid or refill with water.
- You are required to recharge the batteries on a regular basis. Even if the powerchair is stood idle, you should charge the batteries at least once a week.

Warning:

Do not open the battery-sealed cap at any time.

Batteries

- The Mambo Micro is powered by 2# 12V 12ah batteries.
- They are sealed lead acid type, and are maintenance free and non-spillable.
- They are supplied with spade terminals.
- The batteries supplied as standard with Mambo Micro Powerchair are classified as safe to transport under IATA special provision A67. (For more information please consult your dealer).

Warning:

Do not remove the battery pack whilst the powerchair is switched (ON). This will cause the powerchair to stop and may damage the powerchair. If, whilst the powerchair is switched on, the battery pack is accidentally removed or looses contact as the result of jolt, switch the powerchair (OFF). Then reinsert the battery pack and switch the powerchair (ON).

Charging the Batteries

- Using the charger supplied with the powerchair, the charging duration is about 8 hours.
- However, to ensure optimum performance we recommend a 12-hour charge.
- We also recommend that the batteries are not charged for more than 24 hours.

Replacing the batteries

- The batteries should be replaced when they have capacity of 50% of when they were performing optimally (i.e. when the powerchair has only half the range of when the batteries were performing at their best).
- Replace both batteries together
- Please contact your dealer for information about the procedure for replacing the batteries.

6. Inspection and Maintenance

6.1 Inspection

Initial adjustments should be made to suit personal body structure and preference. Please see the Operation section of this manual for adjustment procedures.

Please follow the checks overleaf to ensure you get the best from your powerchair. Items under column A should be checked initially, column B weekly, column C monthly and column D periodically.

No	Item	A	B	C	D
1	General (Mechanical Troubleshooting) • Powerchair rolls straight (no excessive drag or pull)	A			D
2	Arms • Secure but easy to release; adjustment levers engage properly • Pivot point free of wear and looseness	A A		C	D
3	Seat and Back Upholstery • Inspect for rips or sagging	A			D
4	Seat • Seat secured to the powerchair frame • Inspect swivel seat lever	A A	B		D
5	Drive Wheel • Mounting bolts are secure • No excessive side movement or binding when lifted and spun when in freewheel	A A			
6	Castor Assemblies • Bolts are tight • Inspect the castor assembly for correct tension by spinning the castor assembly; the castor assembly should come to a gradual stop. • **Attention: As with any powerchair, the wheels and tyres should be checked periodically for cracks and wear, and should be replaced if necessary**	A A		C C	
7	Castor Assemblies / Wheel • Ensure all fasteners are secure	A	B		
8	Wheels / Tyres • Inspect for flat spots and ensure all fasteners are secure • **Attention: As with any powerchair, the wheel and tyres should be checked periodically for cracks and wear, and should be replaced if necessary**	A	B		
9	Cleaning • Clean upholstery and armrests	A			D

6.2 Regular Servicing Record

To make sure your powerchair is correctly serviced, take it to your Medicare Technology dealer for regular maintenance checks. This should be done annually after an initial inspection after one month. Your dealer may charge a fee for this. The checking record is shown overleaf.

Suggestion:

Even if you do not use the vehicle for a long time it should still be regularly maintained.

YEAR	1	2	3	4	YEAR	1	2	3	4
Service Dates					Service Dates				
Controller					Upholstery				
On/off switch					Seat				
Joystick					Back				
Braking					Armrests				
Recharge point					Electrics				
Batteries					Connections condition				
Levels					Utility tray				
Connections					Test run				
Discharge test					Forwards				
Wheels and Tyres					Reverse				
Wear					stop				
Pressure					Left turn				
Bearings					Right turn				
Wheel nuts					Slope test				
Motors					Over obstacles				
Wiring					List Items repaired				
Noise									
Connections									
Brake									
Brushes									
Chassis/Footrest									
Condition									
Footrest									

Tyres

- The condition of the tyres depends on how you drive and use your powerchair.
- Please check the tread depth regularly.
- Replace the rear tyres when the tread depth is less than 0.5mm

Suggestion:

When tread depth on the rear tyre is less than 0.5mm it can easily lead to the powerchair slipping and increases braking distances. Therefore, replace the any tyres with insufficient tread depth as soon as possible.

6.3 Storage

Suggestion:

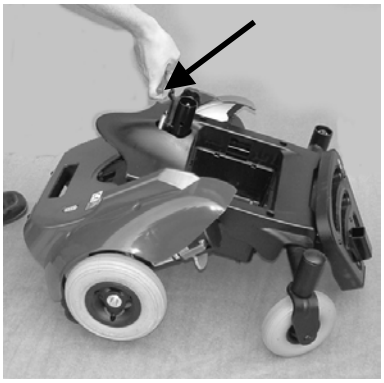
Ensure the powerchair is stored as described below:

- The seat is set in the 'forward' position
- The powerchair is switched off
- The charger removed from the powerchair completely
- In a location which is out of direct sunlight, rain or damp
- The batteries fully charged. If the powerchair will be idle for a while, remove the battery pack and ensure it is charged every week to avoid battery degradation.

6.4 Disassembling the Mambo Micro Powerchair

The Mambo Micro powerchair can be dismantled in to four pieces without any tools. The pieces are the seat (weight 8.2kg), the front section (12kg), the rear section (16.1kg) and the battery pack (9.6kg). Please follow the steps below:

1. Switch off the powerchair.
2. Flip up the footplate.
3. Unplug the joystick and remove the seat and battery pack (as described in the 'Operation' section).
4. To fold the chassis, pull up on the red handle arrowed in the photograph right (note: the seat post does not need removing)
5. The two sections of the chassis can now be separated.

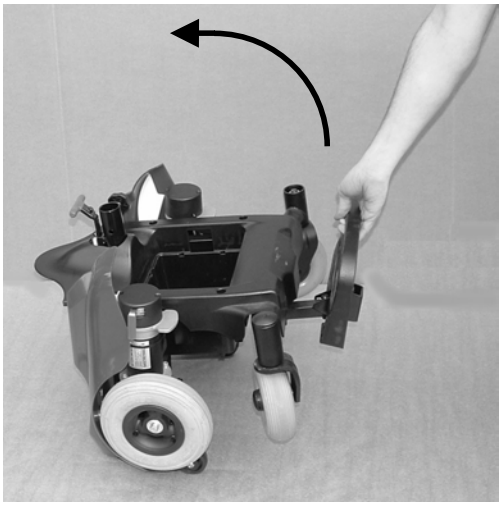


6.5 Assembling the Mambo Micro Powerchair

Suggestion:

The assembly procedure is very similar to the disassembly procedure in reverse. First study the disassembly procedure above before consulting the assembly procedure below.

1. Place the rear section on its back end. Place the front section so that the two pegs are resting in the receivers on the rear section. Please see photograph right.
2. Lift up the front section by the footplate until the front and rear sections lock in position (shown by arrow in photo). You will hear a click when the sections lock in position.
3. Lower the chassis and insert the battery pack.
4. Replace the seat, ensuring it locks in position.
5. Plug in the joystick cable.



7. Troubleshooting

If you have trouble with you powerchair, please consult the table below before taking the powerchair to your dealer. If you cannot solve the problem, contact your dealer for assistance:

SYMPTOM	PROBABLE CAUSE	SOLUTION
Limited driving distance	♦ Batteries not charged long enough. ♦ Batteries weak, won't hold charge.	♦ Ensure batteries are charged for 12 hours before using. Make sure you are using the correct charger and the charger is working. ♦ Replace batteries
Batteries not charging.	♦ Charger not working ♦ Battery connections loose. ♦ No power from mains ♦ Bad connection on charger, charger cable, plug or an internal wiring problem.	♦ Replace charger. ♦ Check all connections. Secure connections. ♦ Try another mains socket ♦ Replace charger or internal repairs required. Contact dealer.
Batteries draw excessive current when charging.	♦ Battery failure.	♦ Replace batteries
Charge indicator shows low charge level immediately after charging.	♦ Batteries weak, won't hold charge. ♦ Electrical malfunction. ♦ Charger not operating.	♦ Replace batteries ♦ Contact dealer ♦ Investigate batteries and charger
Battery indicator flashes the charge level is low-too soon after being recharged.	♦ Have charger checked. ♦ Weak batteries.	♦ Service or replace charger. Contact dealer ♦ Replace batteries
Wheel chair will not drive	♦ Freewheel levers disengaged. ♦ Batteries require charging. ♦ Charger plugged in. ♦ Circuit breaker tripped.	♦ Ensure freewheel levers are in DRIVE position ♦ Charge batteries. Make sure setting on charger is correct. ♦ Unplug charger from mains socket and powerchair. ♦ Reset breaker. If breaker trips again, it may indicate need for internal repairs.
Motor "chatter" or runs irregularly.	♦ Electrical malfunction.	♦ Contact dealer
Joystick erratic or does not respond as desired.	♦ Electrical malfunction. ♦ Controller programmed improperly.	♦ Contact dealer ♦ Contact dealer
Only one (1) rear wheel turns.	♦ Electrical malfunction. ♦ One (1) freewheel lever is engaged.	♦ Contact dealer ♦ Ensure freewheel levers are in DRIVE position
Powerchair does not respond to commands.	♦ Poor battery terminal connection. ♦ Electrical malfunction.	♦ Clean terminals. ♦ Contact dealer

8. Specification

Model Reference	Mambo Micro Powerchair
Dimension (L x W x H)	91 x 53 x 82cm 35¾" x 21" x 32¼"
Total Weight	43.6kg / 96lb
Without batteries	34.6kg / 76lb
Batteries	12V 12Ah x 2
Charger	24V 2A
Front tyre	150 x 50 solid (6"x2")
Rear tyre	200 x 50 solid (8" x 2")
Control method	PG Drives VR2 (60A)

Model Reference	Mambo Micro (cont'd)
Drive system	Direct rear wheel drive (2No. DC motors)
Braking system	Electromagnetic
Top speed	3.5mph / 5.6kph
Climbing Angle	6º - 8º
Cruising range	8 miles / 12.8km
Turning Radius	50cm / 19¾"
Ground Clearance	8cm / 3"
Weight capacity	115kg / 18 stones

Please note that the maximum range is based on an ambient temperature of 20ºC (68ºF), a 75kg (12 stone) user, a brand new fully charged battery and a constant driving speed of 3.5mph (5.6km) with 70% battery power discharged.

Remark: The manufacturer reserves the right to modify the specification if necessary. The final specification is subject to the individual powerchair you purchase from your dealer.

9. Warranty

9.1 VIN (Vehicle Identification Number)

To ensure the correct aftersales, service and warranty support, please write down the Vehicle Identification Number found on the rear right-hand side of the frame.

Model	Mambo Micro Powerchair		
VIN			
Motor S/No.		Controller S/No.	

Please note down the contact details of the Medicare Technology Stockist from whom you bought the powerchair below:

Name	
Address	
Postcode	
Tel	

9.2 Warranty Conditions

There is a comprehensive twelve-month warranty from the date on which your new powerchair is delivered. The warranty covers the powerchair for repairs or replacement during this period. For more detail, please see the Warranty Conditions below.

Warranty Conditions:

1. Any work or replacement part installation must be carried out by an authorized Medicare Technology dealer / service agent.
2. To apply the warranty should your powerchair require attention please contact the designated service agent listed previously.
3. Should any part of the powerchair require repair or full or part replacement, as a result of a manufacturing or material defect within twelve months of receiving the powerchair, replacement parts will be supplied free of charge.

   Note: This guarantee is not transferable
4. Any repaired or replaced parts will be covered by this warranty for the balance of the warranty period on the powerchair.
5. Parts replaced after the original warranty has expired will by covered by a three months warranty.
6. Consumable items supplied will not generally be covered during the normal warranty period unless such items require repair or replacement clearly as a direct result of a manufacturing or material defect.

   Such items include (among others): upholstery, tyres and batteries.
7. The above warranty conditions apply to brand new powerchairs purchased at the full retail price. If you are unsure whether your power chair is covered, check with the service agent.
8. Under normal circumstances, no responsibility will be accepted where the powerchair has failed as a direct result of:
   a) The powerchair part not having been maintained in accordance with the manufacturer's recommendations.
   b) Failure to use the manufacturer's specified parts
   c) The powerchair or part having been damaged due to neglect, accident or improper use
   d) The powerchair or part having been altered from the manufacturer's specifications or repairs having been attempted before the service agent is notified

Please note your local service agent's contact details in the box on the previous page. In the event of your powerchair requiring attention, contact them and give all relevant details so they can act quickly.

The manufacturer reserves the right to alter without notices any weights, measurements or other technical data shown in this manual. All figures, measurements and capacities shown in this manual are approximate and do not constitute specifications.

10. About Medicare Technology

A wide range of accessories are available for the Mambo Micro range including Batteries, capes, and Scooter Alarms. As well as the above, there are a number of larger powerchairs, scooters and general accessories available from your Medicare Technology dealer

Your Mambo Micro powerchair is a **Mercury** branded product. **Mercury** is a brand of Medicare Technology Ltd.

Medicare Technology is a high quality ISO 9001 and EN46001 certified Medical Device Manufacturer. All Medicare Technology medical devices are CE marked.

Other products in the Medicare Technology range include **powerchairs, walking aids, bathlifts, rise recline armchairs and other daily living aids.**

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Notes and Additions

medicare technology LIMITED